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United States Patent [19]

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[54] **ELECTROLUMINESCENT DEVICE
COMPRISING A TRANSPARENT
STRUCTURED ELECTRODE LAYER MADE
FROM A CONDUCTIVE POLYMER**

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[*] Notice: This patent is subject to a terminal disclaimer.

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Related U.S. Application Data

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[51] Int. Cl.⁶ **H05B 33/02**

[52] U.S. Cl. **313/503; 313/504; 313/505**

[58] Field of Search **313/498, 503, 313/504, 505**

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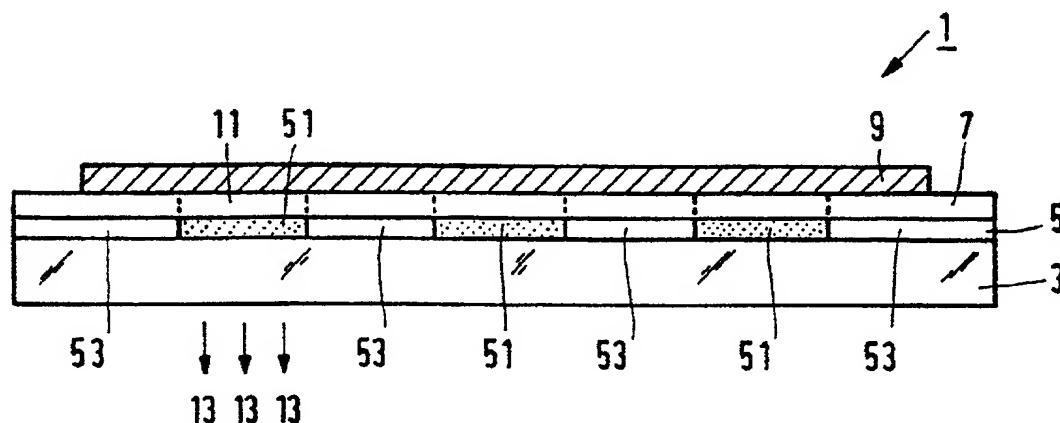
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[57] **ABSTRACT**

A description is given of an electroluminescent (EL) device (1) composed of polymeric LEDs comprising an active layer (7) of a conjugated polymer and a transparent polymeric electrode layer (5) having electroconductive areas (51) as electrodes. Like the active layer (7), the electrode layer (5) can be manufactured in a simple manner by spin coating. The electrode layer (5) is structured into conductive electrodes (51) by exposure to UV light. The electrodes (9) and (51) jointly form a matrix of LEDs for a display. When a flexible substrate (3) is used, a very bendable EL device is obtained.

2 Claims, 2 Drawing Sheets



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